

Table 1. 2003 Summary Statistics

Item	Value	U.S. Rank
Texas		
NERC Region(s).....		ERCOT/SPP/WSCC/SERC
Primary Energy Source		Gas
Net Summer Capability (megawatts).....	99,593	1
Electric Utilities	22,629	9
Independent Power Producers & Combined Heat and Power	76,964	1
Net Generation (megawatthours).....	379,199,685	1
Electric Utilities	86,882,044	10
Independent Power Producers & Combined Heat and Power	292,317,641	1
Emissions (thousand metric tons)		
Sulfur Dioxide	614	4
Nitrogen Oxide	252	3
Carbon Dioxide	254,955	1
Sulfur Dioxide (lbs/MWh).....	3.6	33
Nitrogen Oxide (lbs/MWh).....	1.5	40
Carbon Dioxide (lbs/MWh).....	1,482	22
Total Retail Sales (megawatthours).....	322,685,955	1
Full Service Provider Sales (megawatthours).....	322,685,955	1
Direct Use (megawatthours).....	41,705,982	1
Average Retail Price (cents/kWh).....	7.50	15

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2003

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
Texas			
1. W A Parish.....	Gas, Coal	CenterPoint Energy Houston Electric, LLC	3,653
2. South Texas Project	Nuclear	STP Nuclear Operating Co	2,560
3. Cedar Bayou	Petroleum, Gas	CenterPoint Energy Houston Electric, LLC	2,258
4. Martin Lake.....	Petroleum, Coal	TXU Generation Co LP	2,250
5. P H Robinson	Gas	CenterPoint Energy Houston Electric, LLC	2,211
6. Comanche Peak	Nuclear	TXU Generation Co LP	2,208
7. Monticello.....	Petroleum, Coal	TXU Generation Co LP	1,875
8. Sabine	Petroleum, Gas	Entergy Gulf States Inc	1,809
9. Fayette Power Project	Petroleum, Coal	Lower Colorado River Authority	1,605
10. Limestone.....	Gas, Petroleum, Coal	CenterPoint Energy Houston Electric, LLC	1,602

See footnotes at end of tables.

Table 3. Top Five Providers of Retail Electricity, 2003
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
Texas						
1. TXU Energy Retail Co LP.....	Power Marketer	79,049,806	35,535,009	14,801,355	28,623,442	90,000
2. Reliant Energy Retail Services	Power Marketer	34,693,959	22,790,440	11,903,519	0	0
3. Reliant Energy Solutions.....	Power Marketer	21,461,346	0	0	21,461,346	0
4. San Antonio Public Service Bd	Public	17,066,094	7,388,063	6,963,901	2,714,130	0
5. Entergy Gulf States Inc.....	Investor-Owned	15,365,946	5,120,432	3,973,790	6,271,724	0
Total Sales, Top Five Providers.....		167,637,151	70,833,944	37,642,565	59,070,642	90,000
Percent of Total State Sales		52	58	39	57	100

See footnotes at end of tables.

Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Texas							
Electric Utilities.....	64,087	65,208	22,629	-10.9	88.7	87.4	22.7
Coal.....	19,345	19,731	8,189	-9.1	26.8	26.5	8.2
Petroleum.....	29	36	4	-19.8	*	*	*
Natural Gas.....	8,963	8,976	5,288	-5.7	12.4	12.0	5.3
Dual Fired.....	30,315	30,957	8,442	-13.2	42.0	41.5	8.5
Nuclear.....	4,782	4,800	0	NM	6.6	6.4	.0
Hydroelectric.....	653	694	692	.6	.9	.9	.7
Other Renewables.....	0	1	1	NM	.0	*	*
Other.....	0	13	13	NM	.0	*	*
Independent Power Producers and Combined							
Heat and Power.....	8,157	9,362	76,964	28.3	11.3	12.6	77.3
Coal.....	338	338	11,864	48.5	.5	.5	11.9
Petroleum.....	66	76	477	24.6	.1	.1	.5
Natural Gas.....	6,429	7,519	36,327	21.2	8.9	10.1	36.5
Other Gases.....	163	192	289	6.6	.2	.3	.3
Dual Fired.....	886	981	21,711	42.7	1.2	1.3	21.8
Nuclear.....	0	0	4,768	NM	.0	.0	4.8
Hydroelectric.....	0	2	7	NM	.0	*	*
Other Renewables.....	205	184	1,432	24.1	.3	.2	1.4
Other.....	70	70	89	2.7	.1	.1	.1
Total Electric Industry.....	72,242	74,570	99,593	3.6	100.0	100.0	100.0
Coal.....	19,683	20,069	20,053	.2	27.2	26.9	20.1
Petroleum.....	94	112	481	19.9	.1	.1	.5
Natural Gas.....	15,391	16,495	41,615	11.7	21.3	22.1	41.8
Other Gases.....	163	192	289	6.6	.2	.3	.3
Dual Fired.....	31,201	31,939	30,152	-4	43.2	42.8	30.3
Nuclear.....	4,782	4,800	4,768	*	6.6	6.4	4.8
Hydroelectric.....	653	695	699	.8	.9	.9	.7
Other Renewables.....	205	185	1,434	24.1	.3	.2	1.4
Other.....	70	83	102	4.3	.1	.1	.1

See footnotes at end of tables.

Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Texas							
Electric Utilities.....	255,140,538	293,068,377	86,882,044	-11.3	83.1	82.5	22.9
Coal.....	122,667,859	132,626,804	60,288,940	-7.6	39.9	37.3	15.9
Petroleum.....	309,537	136,818	257,818	-2.0	.1	*	.1
Natural Gas.....	101,583,910	120,200,589	25,473,500	-14.2	33.1	33.8	6.7
Nuclear.....	28,745,474	38,685,129	0	NM	9.4	10.9	.0
Hydroelectric.....	1,530,436	1,418,903	858,933	-6.2	.5	.4	.2
Other Renewables.....	303,322	134	2,852	-40.5	.1	.0	*
Independent Power Producers and Combined							
Heat and Power.....	52,038,986	62,251,787	292,317,641	21.1	16.9	17.5	77.1
Coal.....	2,477,798	2,799,221	86,700,570	48.4	.8	.8	22.9
Petroleum.....	1,650,354	1,443,274	2,257,437	3.5	.5	.4	.6
Natural Gas.....	42,856,658	51,943,335	159,437,850	15.7	14.0	14.6	42.0
Other Gases.....	3,539,454	4,077,715	5,999,489	6.0	1.2	1.1	1.6
Nuclear.....	0	0	33,437,484	NM	.0	.0	8.8
Hydroelectric.....	0	5,918	37,606	NM	.0	*	*
Other Renewables.....	1,275,462	1,428,990	3,962,885	13.4	.4	.4	1.0
Other.....	239,260	553,334	484,320	8.2	.1	.2	.1
Total Electric Industry.....	307,179,524	355,320,164	379,199,685	2.4	100.0	100.0	100.0
Coal.....	125,145,657	135,426,025	146,989,510	1.8	40.7	38.1	38.8
Petroleum.....	1,959,891	1,580,092	2,515,255	2.8	.6	.4	.7
Natural Gas.....	144,440,568	172,143,924	184,911,350	2.8	47.0	48.4	48.8
Other Gases.....	3,539,454	4,077,715	5,999,489	6.0	1.2	1.1	1.6
Nuclear.....	28,745,474	38,685,129	33,437,484	1.7	9.4	10.9	8.8
Hydroelectric.....	1,530,436	1,424,821	896,539	-5.8	.5	.4	.2
Other Renewables.....	1,578,784	1,429,124	3,965,737	10.8	.5	.4	1.0
Other.....	239,260	553,334	484,320	8.2	.1	.2	.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Texas				
Coal (cents per million Btu).....	135.0	123.9	125.4	-0.8
Average heat value (Btu per pound).....	7,346	7,509	7,605	.4
Average sulfur Content (percent).....	.7	.7	.8	.7
Petroleum (cents per million Btu).....	210.8	113.4	422.8	8.0
Average heat value (Btu per gallon).....	120,682	99,069	139,979	1.7
Average sulfur Content (percent).....	.5	2.7	1.4	11.5
Natural Gas (cents per million Btu).....	215.2	224.9	528.1	10.5
Average heat value (Btu per cubic foot).....	1,023	1,024	1,029	.1

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Texas				
Sulfur Dioxide				
Coal	511	595	573	1.3
Petroleum	37	4	22	-5.8
Natural Gas	*	1	1	4.6
Other.....	13	6	18	4.0
Total	562	605	614	1.0
Nitrogen Oxide				
Coal	450	251	146	-11.8
Petroleum	3	3	5	4.3
Gas.....	172	224	93	-6.6
Other.....	5	7	7	5.2
Total	630	484	252	-9.7
Carbon Dioxide				
Coal	127,044	138,777	149,718	1.8
Petroleum	2,434	1,883	2,888	1.9
Gas.....	88,344	104,555	102,349	1.6
Geothermal.....	—	—	—	NM
Other.....	—	—	—	NM
Total	217,822	245,215	254,955	1.8

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Texas							
Retail Sales (thousand megawatthours)							
Residential.....	89,793	110,434	121,355	3.4	34.8	36.2	37.6
Commercial.....	66,467	77,231	96,694	4.3	25.7	25.3	30.0
Industrial	90,329	102,702	104,547	1.6	35.0	33.7	32.4
Other	11,591	14,337	NA	NM	4.5	4.7	NA
Transportation.....	NA	NA	90	NM	NA	NA	*
Total	258,180	304,705	322,686	2.5	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential.....	7,255	8,448	11,111	4.8	43.8	45.7	45.9
Commercial.....	4,678	5,074	7,581	5.5	28.2	27.4	31.3
Industrial	3,858	4,047	5,512	4.0	23.3	21.9	22.8
Other	786	917	NA	NM	4.7	5.0	NA
Transportation.....	NA	NA	6	NM	NA	NA	*
Total	16,577	18,486	24,211	4.3	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential.....	8.08	7.65	9.16	1.4	NA	NA	NA
Commercial.....	7.04	6.57	7.84	1.2	NA	NA	NA
Industrial	4.27	3.94	5.27	2.4	NA	NA	NA
Other	6.79	6.40	NA	NM	NA	NA	NA
Transportation.....	NA	NA	6.62	NM	NA	NA	NA
Total	6.42	6.07	7.50	1.7	NA	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2003

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Texas								
Number of Entities.....	53	72	NA	68	17	NA	NA	210
Number of Retail Customers.....	7,046,095	1,499,698	NA	1,568,284	23	NA	NA	10,114,100
Retail Sales (thousand megawatthours)	240,342	40,960	NA	31,601	9,784	NA	NA	322,686
Percentage of Retail Sales	74.48	12.69	NA	9.79	3.03	NA	NA	100.00
Revenue from Retail Sales (million dollars)	18,207	3,090	NA	2,462	451	NA	NA	24,211
Percentage of Revenue.....	75.20	12.76	NA	10.17	1.86	NA	NA	100.00
Average Retail Price (cents/kWh).....	7.58	7.54	NA	7.79	4.61	NA	NA	7.50

Table 9 Notes: Data are shown for All Sectors. **Full Service Providers** sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as Independent Power Producers or other full service providers) prior to delivery. **Other Providers** sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. "Federal" entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its service. The cooperative will generate, transmit, and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Facility" sales represent direct electricity transactions from independent generators to end use consumers.

Other Notes: NA = Not applicable; NM = Not meaningful;

W = Withheld to avoid disclosure of individual company data;

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is '1' and values under 0.5 are shown as '*').

Totals may not equal sum of components because of independent rounding;

Table 4 "Other Renewables" includes generation from municipal solid waste; Table 7 "Other" includes emissions from municipal solid waste.

Direct Use is commercial or industrial use of electricity that 1) is self-generated, 2) is produced by either the same entity that consumes the power or an affiliate, and 3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.